

AMENDMENTS TO THE CLAIMS

In the Claims:

A listing of the claims is as follows:

What is claimed is:

1. (Currently Amended) A light source device comprising:

a lamp unit comprising:

a glass tube filled up with a gas filler, and including a mixture layer having a fluorescence material therein;₁

an electrode, disposed in the glass tube, ~~for to generating an~~ arc in response to an electric signal applied thereto;₂ and

a first masking film, coated on the glass tube, ~~for to cutting off~~ a part of ultraviolet rays emitted from the glass tube; and

a light guide unit comprising:

an incidence surface to receive light from the lamp, and

a second masking film, coated on the incidence surface, to cut off a part of ultraviolet rays emitted from the lamp unit.

2. (Currently Amended) The light source device as claimed in claim 1, wherein the first masking film is coated on an inner surface of the glass tube, ~~the masking film being placed to be provided~~ between the mixture layer having the fluorescence material and the inner surface of the glass tube.

3. (Currently Amended) The light source device as claimed in claim 1, wherein the first masking film is coated on an outer surface of the glass tube.

4. (Currently Amended) The light source device as claimed in claim 1, wherein the first masking film is coated on ~~both an outer surface of the glass tube and an inner surface~~ of the glass tube to, the inner surface of the glass tube be provided between the mixture layer having the fluorescence material and the inner surface of the glass tube, and on an outer surface of the glass tube.

5. (Currently Amended) The light source device as claimed in claim 1, wherein the first masking film comprises a transition metal oxide.

6. (Original) The light source device as claimed in claim 5, wherein the transition metal oxide is one selected from the group consisting of TiO_2 , Y_2O_3 and Ce_2O_5 .

7. (Currently Amended) The light source device as claimed in claim 1, wherein the first masking film cuts off ultraviolet rays having wavelengths of 253 nm, 313 nm and 365 nm.

8. (Currently Amended) A light source device as claimed in claim 1, wherein the first masking film is coated on the glass tube and has a thickness range of about 0.5 μm to about 1 μm .

9 (Currently Amended) A light source device comprising:
a lamp unit comprising:

a glass tube filled up with a gas filler, and including a mixture layer having a fluorescence material therein;

an electrode, disposed in the glass tube, ~~for to generating an~~ arc in response to an electric signal applied thereto; ~~and~~

a first masking film ~~for to masking~~ a part of ultraviolet rays emitted from the glass tube, the first masking film ~~comprising comprises~~ a transition metal oxide and is coated on an inner surface of the glass tube or an outer surface of the glass tube; ~~and~~

a light guide unit comprising:

an incidence surface to receive light from the lamp, and

a second masking film, coated on the incidence surface, to cut off a part of ultraviolet rays emitted from the lamp unit,

wherein the first masking film is coated on the inner surface of the glass tube ~~is placed to be provided~~ between the mixture layer and the inner surface of the glass tube.

10. (Original) The light source device as claimed in claim 9, wherein the transition metal oxide is one selected from the group consisting of TiO_2 , Y_2O_3 and Ce_2O_3 .

11. (Currently Amended) The light source device as claimed in claim 9, wherein the first masking film cuts off ultraviolet rays having wavelengths of 253 nm, 313 nm and 365 nm.

12. (Currently Amended) The light source device as claimed in claim 1, wherein the first masking film is coated on the glass tube and has a thickness range of about 0.5 μm to about 1 μm .

13. (New) The light source device as claimed in claim 1, further comprising:
a lamp cover covering the lamp unit to receive and protect the lamp unit; and

a third masking film, coated on an inner surface of the lamp cover, to cut off a part of ultraviolet rays emitted from the lamp unit.

14. (New) The light source device as claimed in claim 9, further comprising:
a lamp cover covering the lamp unit to receive and protect the lamp unit; and
a third masking film, coated on an inner surface of the lamp cover, to cut off a part of ultraviolet rays emitted from the lamp unit.